
Portable IPL beauty equipment

Model no.: BW185

User manual



Catalog

Chapter 1 Introduction of BW185

I Treatment theory

IPL treatment is effective based on its selective absorbability. When the intense pulsed light penetrates the epidermis, the energy of light will be greatly absorbed by the pigments in epidermis.

High energy and dark color skin will be with high risk in treatment. Moreover, majority of the heat is reflected and refracted at the same time, only 30%-40% of energy is utilizable. Therefore, it needs to increase the energy for a better treatment result. However, majority heat is absorbed by the pigments in epidermis, which directly block to use high energy for treatment, so that affects the single treatment result.

II Functions of the BW185

- 1) Hair removal (both thick black hair and thin light hair) (640nm filter)
- 2) Skin rejuvenation (530nm filter)
- 4) Vascular therapy/ Acne removal (430nm filter)
- 3) pigmentation therapy (530nm filter)
- 5) Breast liftup (640nm filter)

III. Parameters

Power Supply Output: 1500W

IPL Light Energy: 50J

Pulse Duration: 1-9.9

Plus delay: 1-99

Pulse/Discharge interval: 1-4ms

Pulse No.: 1-6

Handpiece number: 1

Wavelength: 430/530/640nm standard

Cooling System: semiconductor+ wind + water +cooling system

Skin Cooling: $\leq 0-10^{\circ}\text{C}$

Weight: 30kg

IV Taboos (who are not suitable to use this machine?)

- a) Pregnant
- b) Isolation in the sun
- c) Sensitive to light or medicine, or are taking medicine that sensitive to light
- d) Using vitamin within 6 months

- e) Not representative naevi or malignant pathological changes in the treatment area.
- f) Pacemaker or quiver dispelling device user
- g) Herpes or trauma
- h) Pimple record
- i) People who accept Hirudin etc. treatment (should stop using it before 2 weeks).
- j) Severe diabetes patient, high blood pressure sufferer, and epileptic

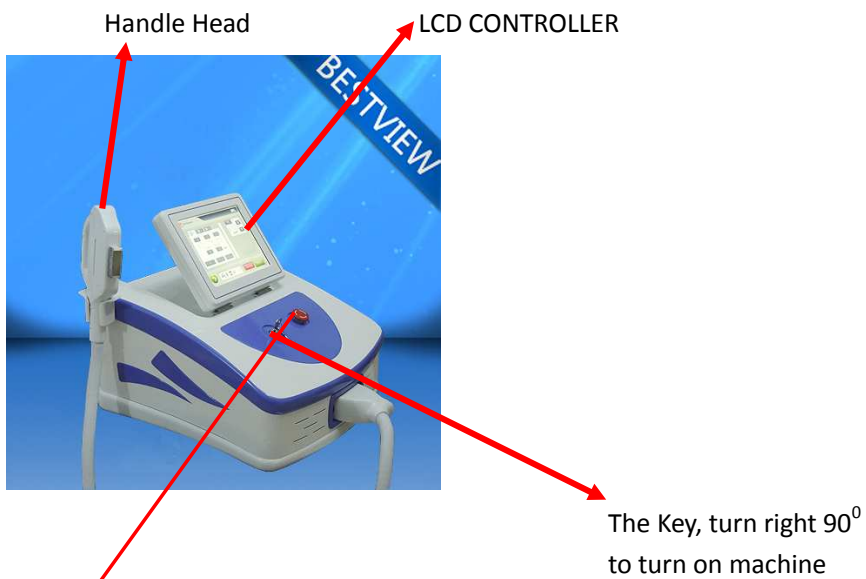
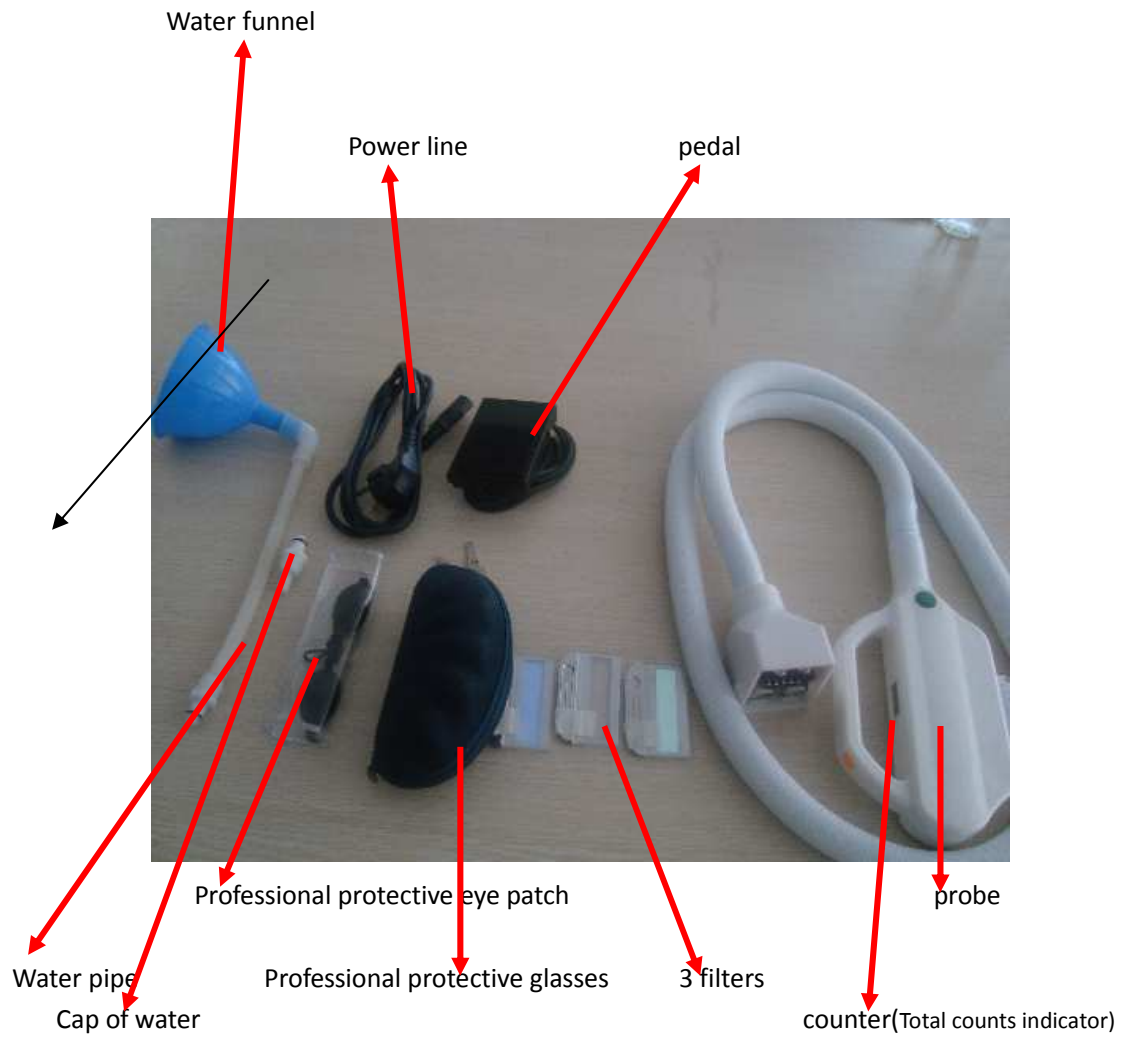
V Course of treatment

Time Treatment	Treatment times needed	Interval between two treatments	Remark (requirements)
Vessels treatment	3 –4 times	21—45 days	1. The patients should be suitable to accept treatment. It means they don't have the symptom described in Contraindications
Pigmentation treatment	3 – 5 times		2. No hypersusceptibility recently
Skin rejuvenation	2 – 4 times		3. The patients should cooperate with operator's instructions after treatment
Breast treatment	3 – 5 times		4. Clean treatment area after treatment
Hair removal	3– 5 times	14 –21 days	Shaving the unwanted hair at the treatment area

Remarks: Operator should adjust treatment or repeat treatment according to the actual condition of each patient.

Chapter 2 Installation of BW185

I 【Components of the machine】



EMMERGENCY BUTTON, keep it bounce in working; when press it downwards, the machine will be power off immediately; turn right to recover

II 【Operation the machine】

1), Plug power



2), Put Water



When you operate the machine, put this in “spilt water” or “water inlet” to make sure the air in the water box is current.

Note: a), The water should be distilled water or pure water.

b), Put water through “water inlet” till the water flow from “spilt water”(the water box is full).

c), After you input the water, turn on the machine, turn off the machine, repeat this for 2-3 times in order to let the water circulate well.

How to know good water circulation inside machine?

1, Generally you can hear water flow sound;

2, Under machine power on, the probe turn to cold after 3-5 minutes.

If the water doesn't cycle well or the probe does not cold, there might be some air in the pump. We suggest do as following:

1. Turn on machine, **when show the first LCD display, please do not do any other operation.**
- Note:** please do not tighten the caps of water inlet and water spilt till good water circulation;
2. 3-5 minutes later, turn off machine
3. Grip the white hose vertically and slack, repeat for few times
4. turn on machine → turn off machine → grip white hose, Repeat above operation for some times, till the air exhaust from pump. In response, the probe will turn to cold after 3-5 minutes.
5. you can tighten the caps of water inlet and water spilt at this moment.

d), change water every 3 months approximate.

3), connect the handle plug, show as follows:



Photo 1



photo 2 Click the button on the both sides



Photo 3



Photo 4

Note: When successfully connection, you can hear a “click” sound.

4), Operation instruction of LCD controller

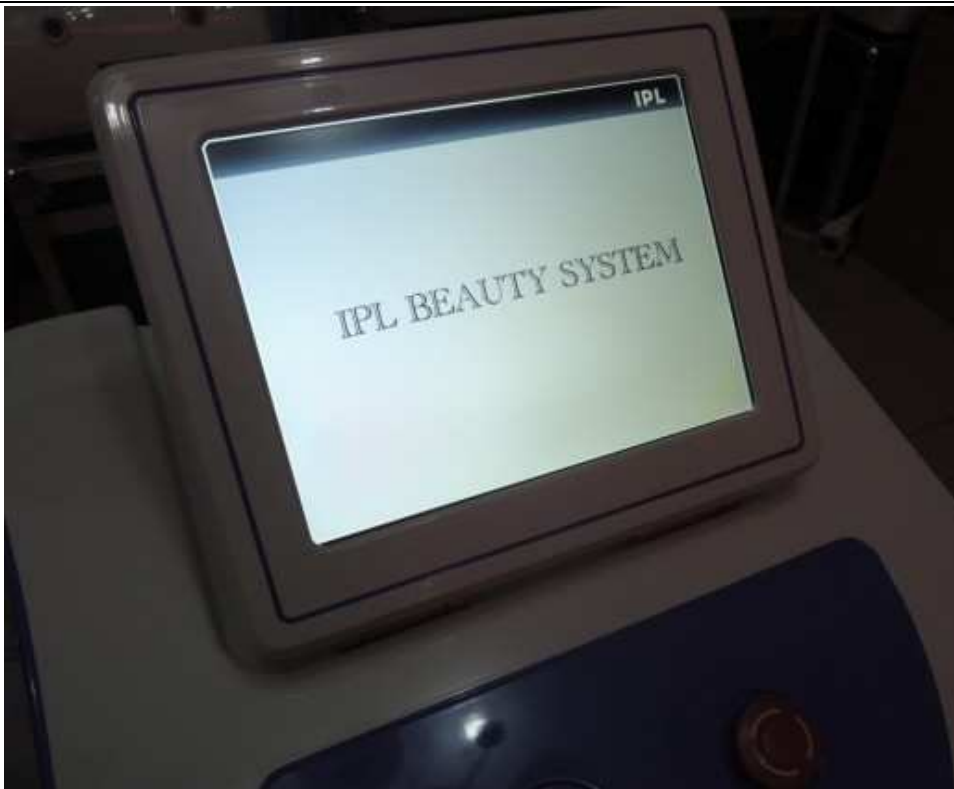
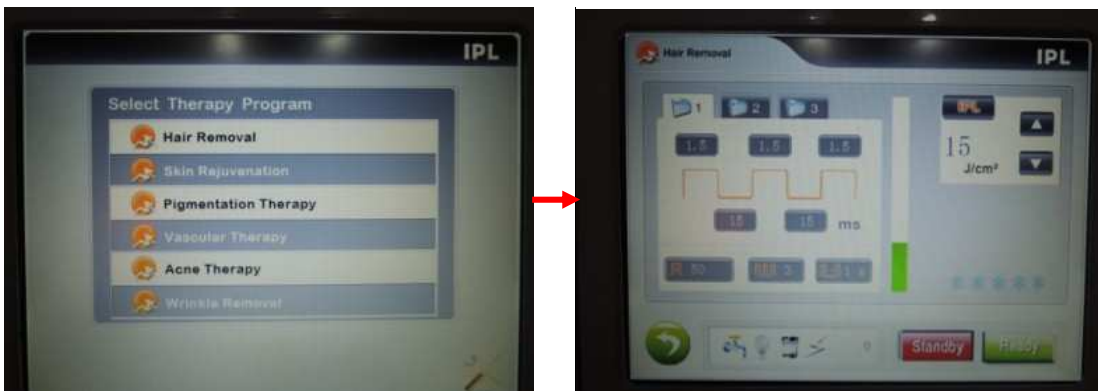


Photo 1

Note: Simmer: Click this button, the probe will be light, can fire, click this button again, the probe can't fire.
Up and Down: choose the different function and adjust the energy



(Hair Removal) (640nm)

(Skin rejuvenation) (530nm)

(Pigmentation therapy) (530nm)

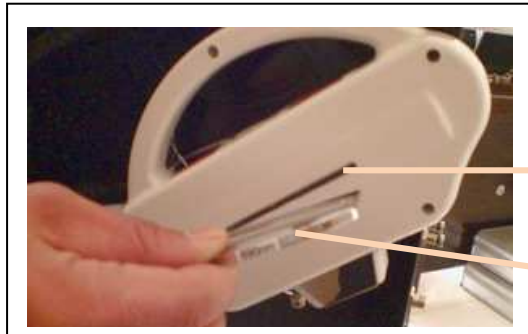
(Vascular therapy) (430nm)

(Breast liftup) (640nm)

Parameters will be setted ready for you!!!

Note: From Photo2-Photo6:

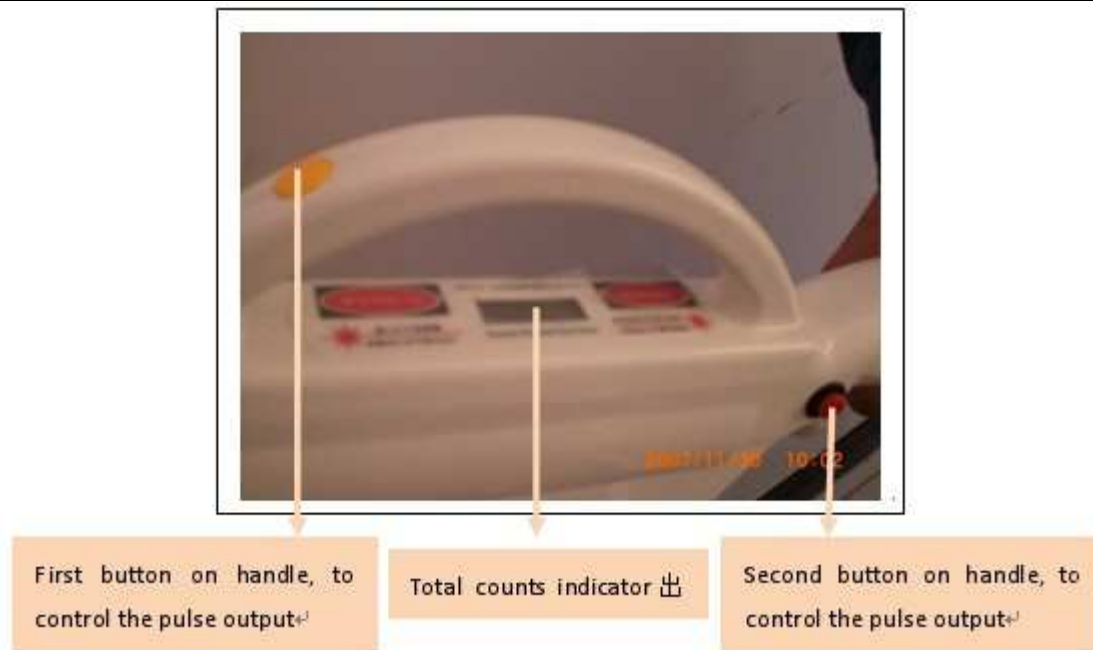
- 1),When you turn on the machine, the screen is the left part, you can click “UP” and “Down” to chose the treatment function.
- 2), After you chose the treatment function, click “Enter” button to enter the right parts, we have help you to set the wave parameters, you only need to click “UP” and “Down”to adjust the energy.(we suggest you adjust the energy from low to high).
- 3),After you set the energy, click”Simmer”, you can do the treatment.

4), Operation of the handle

Bevel on top, right angle below

The design of filter is same as the slot, bevel on top, right angle below. It's possible to insert the filter for a right match.





Chapter3 Note to the Patients and Operator

To the patients:

- a). Classification of skin: it's safe and effective to all the skin.
- b). Clean skin to eliminate the perfume and cosmetics.
- c). Please shave hair firstly under hair removal treatment.
- f). Spread the cooling gel on skin, about 3 mm thickness
- g). Wear eyepatch before actual option
- Note:** can not look at the intensive pulsed light directly, or alarm to people's eyes, such as keratitis, cornea brushing off, or even lose sight.
- h). forbidden to wear watch and necklace etc. during the treatment.

To the operators:

- a). Adjust the right parameters
- b). insert filter to handpiece head
- c). Test the device working, please shot the 3 first pulse to ground at beginning, make sure even energy output in treatment.
- d). Wear glasses before actual option
- e). forbidden to wear watch and necklace etc. during the treatment.
- f). can not look at the intensive pulsed light directly, or alarm to people's eyes, such as keratitis, cornea brushing off, or even lose sight.
- g). Please do not optionally open the panel of the machine even power stopped, in case high voltage danger.
- h). It must tighten up the screw caps of machine before movement.
- i). vertically slide the probe on skin, and keep close to skin
- J). Keep the machine rest every 2-3 hours continuously working
- k). The handle is fragile, please keep special care when hanging to the holder or in handle
- l). Please do treatment from the lower energy at the beginning, and adjust the energy according to actual

conditions

Chapter4 Package

